

Amendments to the Specification

Please replace the first paragraph on page 18, lines 1 to 7, with the following amended paragraph:

-- GB-D DNA polymerases; RNA-polymerases such as *E. coli*, SP6, T3 and T7 RNA polymerases; and reverse transcriptases such as AMV, M-MuLV, MMLV, RNase H-MMLV (SuperScript®), SuperScript® II, ThermoScript®, HIV-1, and RAV2 reverse transcriptases. All of these enzymes are commercially available. Exemplary polymerases with multiple specificities include RAV2 and *Tli*(exo-)polymerases. Exemplary thermostable polymerases include *Tub*, *Taq*, *Tth*, *Pfx*, *Pfu*, *Tsp*, *Tfl*, *Tli* and *Pyrococcus* *sp.* GB-D DNA polymerases.--

Please replace the paragraph beginning on page 24, line 22 and ending on page 25, line 6, with the following amended paragraph:

-- Exemplary fluorescent dyes include fluorescein, 6-FAM, rhodamine, Texas Red®, tetramethylrhodamine, a carboxyrhodamine, carboxyrhodamine 6G, carboxyrhodol, carboxyrhodamine 110, Cascade Blue®, Cascade Yellow™, coumarin, Cy2®, Cy3®, Cy3.5®, Cy5®, Cy5.5®, Cy-Chrome™, phycoerythrin, PerCP™(peridinin chlorophyll-a Protein), PerCP-CY™5.5, JOE(6-carboxy-4',5'-dichloro-2',7'-dimethoxyfluorescein), NED™, ROX™(5-(and6)-carboxy-X-rhodamine), HEX™, Lucifer Yellow, Marina Blue™, Oregon Green® 488, Oregon Green® 500, Oregon Green® 514, Alexa Fluor® 350, Alexa Fluor® 430, Alexa Fluor® 488, Alexa Fluor® 532, Alexa Fluor® 546, Alexa Fluor® 568, Alexa Fluor® 594, Alexa Fluor® 633, Alexa Fluor® 647, Alexa Fluor® 660, Alexa Fluor® 680, 7-amino-4-methylcoumarin-3-acetic acid, BODIPY®-FL, BODIPY® FL-BR₂, BODIPY® 530/555, BODIPY® 558/568, BODIPY® 564/570, BODIPY® 576/589, BODIPY® 581/591, BODIPY® 630/650, BODIPY® 650/665, BODIPY® R6G, BODIPY® TMR, BODIPY® TR, conjugates thereof, and combinations thereof. Exemplary lanthanide chelates include europium chelates, terbium chelates and samarium chelates. --